

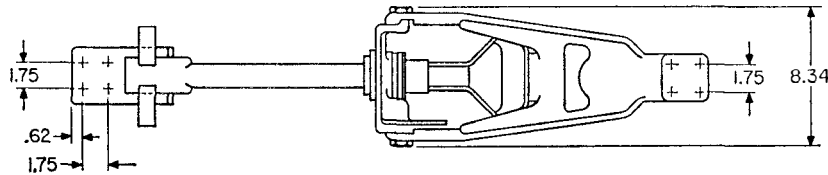
Westinghouse



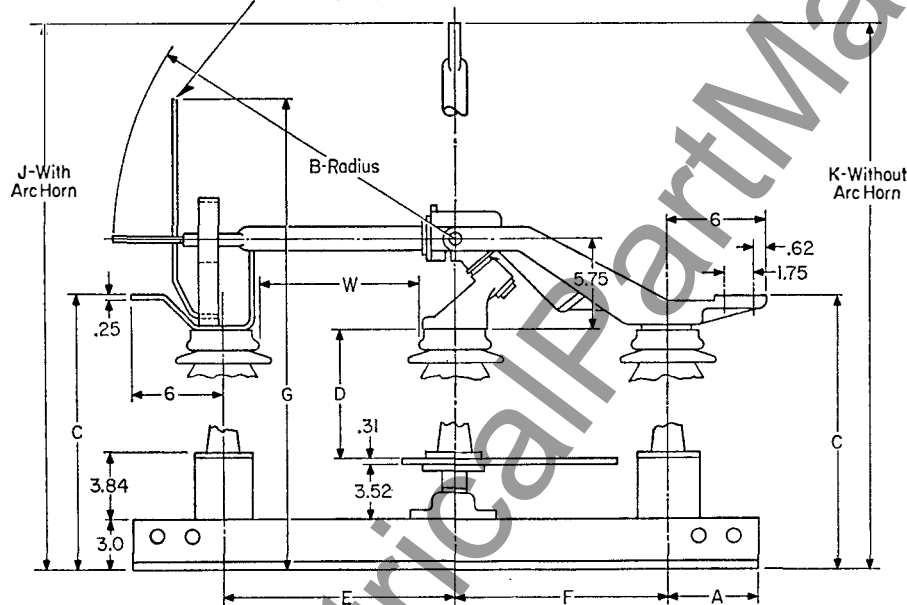
Type V-3 Outdoor Disconnecting Switch

7.2 to 69 Kv, 600 Amperes

Horizontal and Vertical Mounting, Cap and Pin Insulator



Arc Horns Supplied on Horizontal Mounting Only



Drawing No. 348A814

Dimensions

Line	Kv	A	B	C	D	E	F	G	J	K	W	BIL
1	7.2	6.0	23.5	16.3	7.5	15.0	14.0	34.8	43.6	37.6	10.0	95
2	14.4	6.0	23.5	18.8	10.0	15.0	14.0	37.3	46.1	40.1	10.0	110
3	23.0	6.0	32.5	20.8	12.0	24.0	14.0	39.3	56.1	50.1	18.0	150
4	34.5	6.0	32.5	23.8	15.0	24.0	14.0	42.3	59.1	53.1	18.0	200
5	46.0	6.5	50.5	26.8	18.0	42.0	18.0	45.3	80.1	74.1	34.0	250
6	69.0	5.5	50.5	37.8	29.0	42.0	18.0	56.3	91.1	85.1	34.0	350

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

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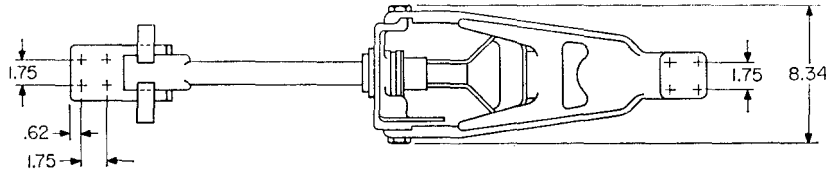
May, 1967
New Information
E, D/1969/DB

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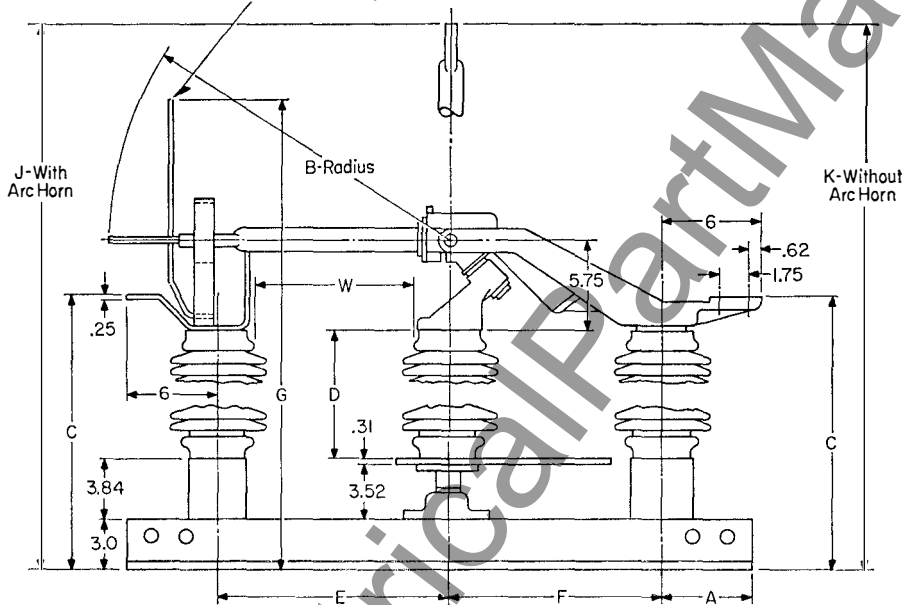


**Type V-3 Outdoor
Disconnecting Switch**
7.2 to 69 Kv, 600 Amperes

Horizontal and Vertical Mounting, Station Post Insulator



Arc Horns Supplied on Horizontal Mounting Only



Drawing No. 348A815

Dimensions

Line	Kv	A	B	C	D	E	F	G	J	K	W	BIL
1	7.2	6.0	23.5	16.2	7.5	15.0	14.0	34.8	43.6	37.6	10.0	95
2	14.4	6.0	23.5	18.8	10.0	15.0	14.0	37.3	46.1	40.1	10.0	110
3	23.0	6.0	32.5	22.8	14.0	24.0	14.0	41.3	59.1	53.1	18.0	150
4	34.5	6.0	32.5	26.8	18.0	24.0	14.0	45.3	63.1	57.1	18.0	200
5	46.0	5.5	60.5	30.8	22.0	42.0	18.0	49.3	85.1	79.1	34.0	250
6	69.0	5.5	60.5	38.8	30.0	42.0	18.0	57.3	93.1	87.1	34.0	350

Customer _____ Address _____ G. O. _____
P.O. Number _____ Item _____ Approval ☐
Apparatus _____ Reference ☐
Line No. _____ Certified _____ Date _____ Construction ☐
Other ☐

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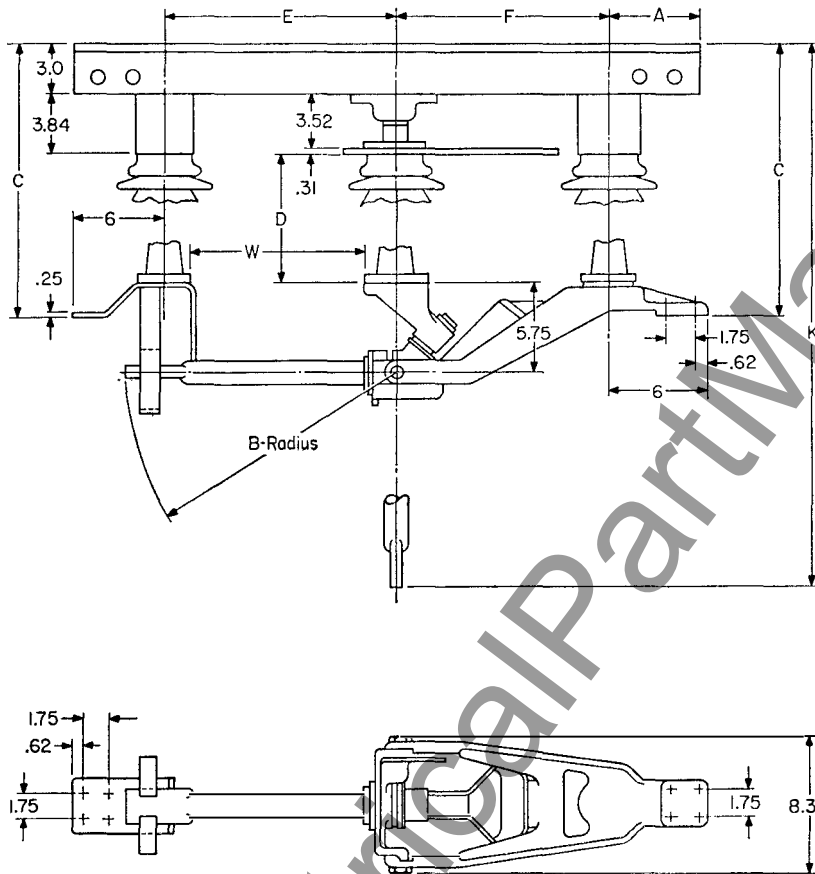
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E, D/1969/DB

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**Type V-3 Outdoor
Disconnecting Switch**
7.2 to 69 Kv, 600 Amperes

Inverted Mounting, Cap and Pin Insulator



Drawing No. 348A816

Dimensions

Line	Kv	A	B	C	D	E	F	K	W	BIL
1	7.2	6.0	17.5	16.3	7.5	15.0	14.0	37.6	10.7	95
2	14.4	6.0	17.5	18.8	10.0	15.0	14.0	40.1	10.7	110
3	23.0	6.0	26.5	20.8	12.0	24.0	14.0	50.1	19.7	150
4	34.5	6.0	26.5	23.8	15.0	24.0	14.0	53.1	19.7	200
5	46.0	5.5	44.5	26.8	18.0	42.0	18.0	74.1	37.7	250
6	69.0	5.5	44.5	37.8	29.0	42.0	18.0	85.1	37.7	300

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

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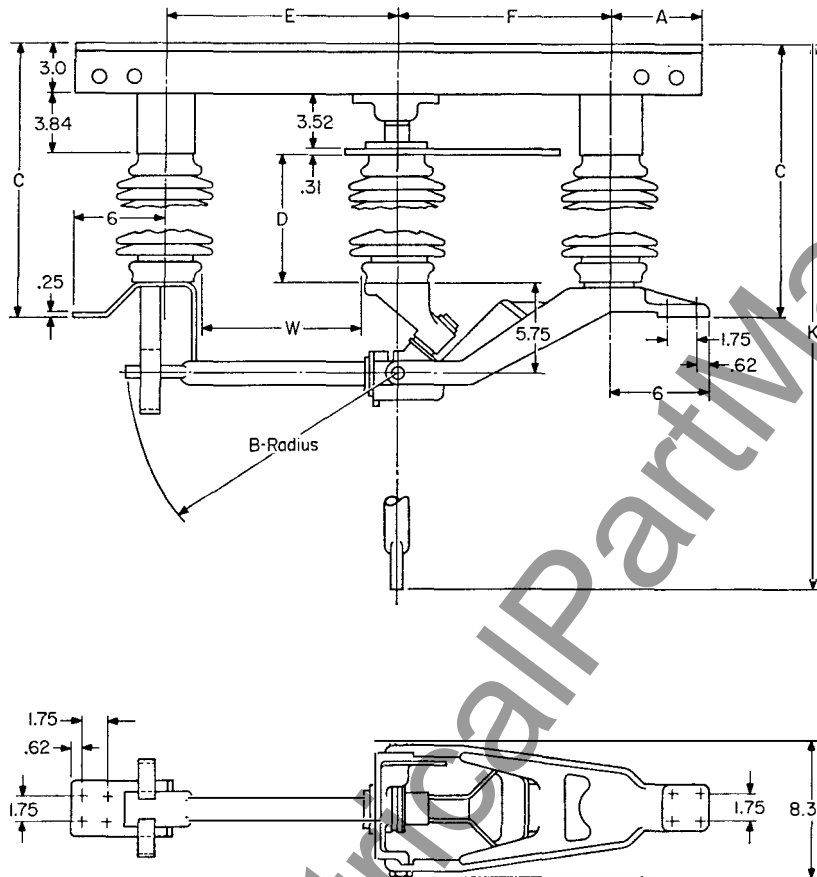
May, 1967
New Information
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**Type V-3 Outdoor
Disconnecting Switch**
7.2 to 69 Kv, 600 Amperes

Inverted Mounting, Station Post Insulator



Drawing No. 348A817

Dimensions

Line	Kv	A	B	C	D	E	F	W	K	BIL
1	7.2	6.0	17.5	16.2	7.5	15.0	14.0	10.0	37.6	95
2	14.4	6.0	17.5	18.8	10.0	15.0	14.0	10.0	40.1	110
3	23.0	6.0	26.5	22.8	14.0	24.0	14.0	18.0	53.1	150
4	34.5	6.0	26.5	26.8	18.0	24.0	14.0	18.0	57.1	200
5	46.0	5.5	44.5	30.8	22.0	42.0	18.0	34.0	79.1	250
6	69.0	5.5	44.5	38.8	30.0	42.0	18.0	34.0	87.1	350

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

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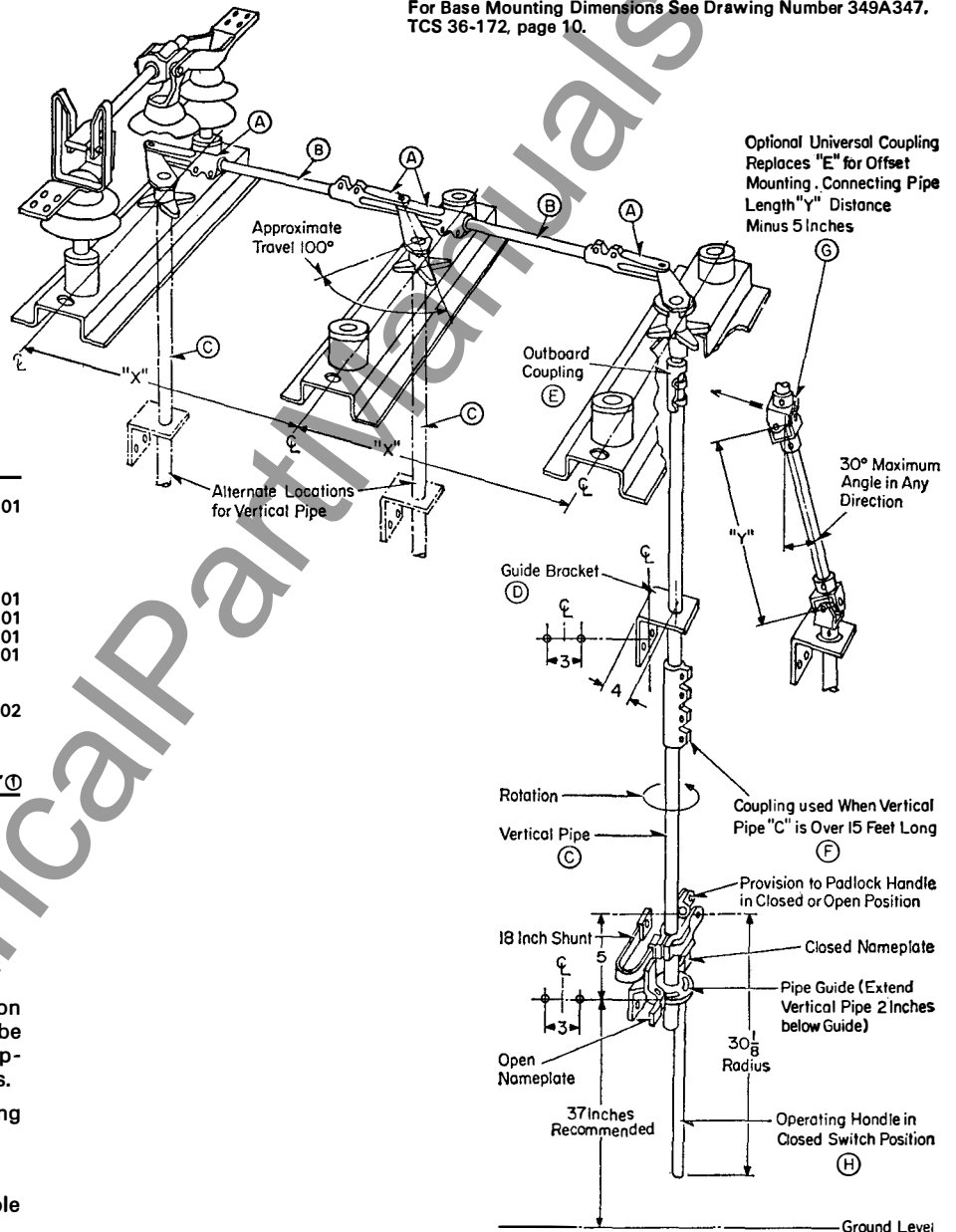
Westinghouse



Type V-3 Outdoor Disconnecting Switch 7.2 to 69 Kv, 600 Amperes

Horizontal Mounting, Direct Operation

For Base Mounting Dimensions See Drawing Number 349A347, TCS 36-172, page 10.



Bill of Material

Item	Quantity	Description	Style No.
A	4	Rod Ends	677C621G01
B	15 Feet	1\" IPS Galv. Steel Pipe	
C	30 Feet	1\" IPS Galv. Steel Pipe	
D	1	Guide Bracket	304C533H01
E	1	Coupling	308C879G01
F	1	Pipe Coupling	677C625G01
G	1 Set (Optional)	Universal Joints	408D949G01
H	1	Lever Handle Assembly	435D848G02

Dimensions

Kv	Amp	"X" ①
7.2	600	36
14.4	600	36
23.0	600	48
34.5	600	60
46.0	600	72
69.0	600	84

① Recommended per NEMA Standards, (inches)

Notes:

Interphase pipe "B" Length "X" dimension minus 8". When item "B" is specified to be insulated, wood interphase shafts are supplied pre-cut to length with proper fittings.

Attach rod ends "A" with set screws facing away from operating levers.

All mounting holes for 5/8 diameter bolts.

Do not tighten set screws until the 3-pole unit is erected and adjusted.

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

Other ☐

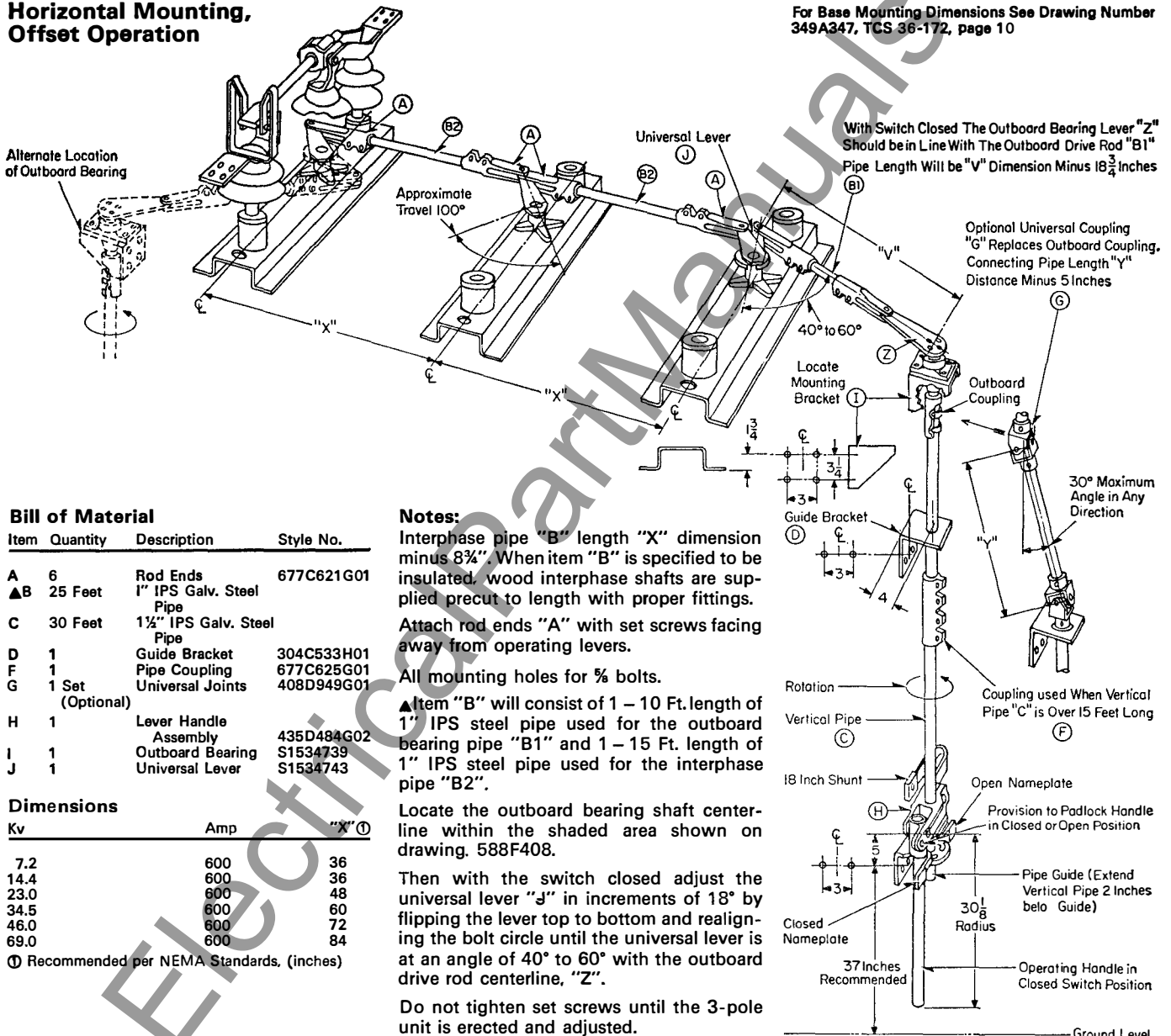
Westinghouse



Type V-3 Outdoor Disconnecting Switch 7.2 to 69 Kv, 600 Amperes

Horizontal Mounting, Offset Operation

For Base Mounting Dimensions See Drawing Number 349A347, TCS 36-172, page 10



Bill of Material

Item	Quantity	Description	Style No.
A	6	Rod Ends	677C621G01
▲B	25 Feet	1" IPS Galv. Steel Pipe	
C	30 Feet	1 1/2" IPS Galv. Steel Pipe	
D	1	Guide Bracket	304C533H01
F	1	Pipe Coupling	677C625G01
G	1 Set (Optional)	Universal Joints	408D949G01
H	1	Lever Handle Assembly	435D484G02
I	1	Outboard Bearing	S1534739
J	1	Universal Lever	S1534743

Dimensions

Kv	Amp	"X" ①
7.2	600	36
14.4	600	36
23.0	600	48
34.5	600	60
46.0	600	72
69.0	600	84

① Recommended per NEMA Standards, (inches)

Notes:

Interphase pipe "B" length "X" dimension minus 8 3/4". When item "B" is specified to be insulated, wood interphase shafts are supplied pre-cut to length with proper fittings. Attach rod ends "A" with set screws facing away from operating levers.

All mounting holes for 5/8" bolts.

Item "B" will consist of 1 - 10 Ft. length of 1" IPS steel pipe used for the outboard bearing pipe "B1" and 1 - 15 Ft. length of 1" IPS steel pipe used for the interphase pipe "B2".

Locate the outboard bearing shaft centerline within the shaded area shown on drawing. 588F408.

Then with the switch closed adjust the universal lever "J" in increments of 18" by flipping the lever top to bottom and realigning the bolt circle until the universal lever is at an angle of 40° to 60° with the outboard drive rod centerline, "Z".

Do not tighten set screws until the 3-pole unit is erected and adjusted.

Drawing No. 588F407

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

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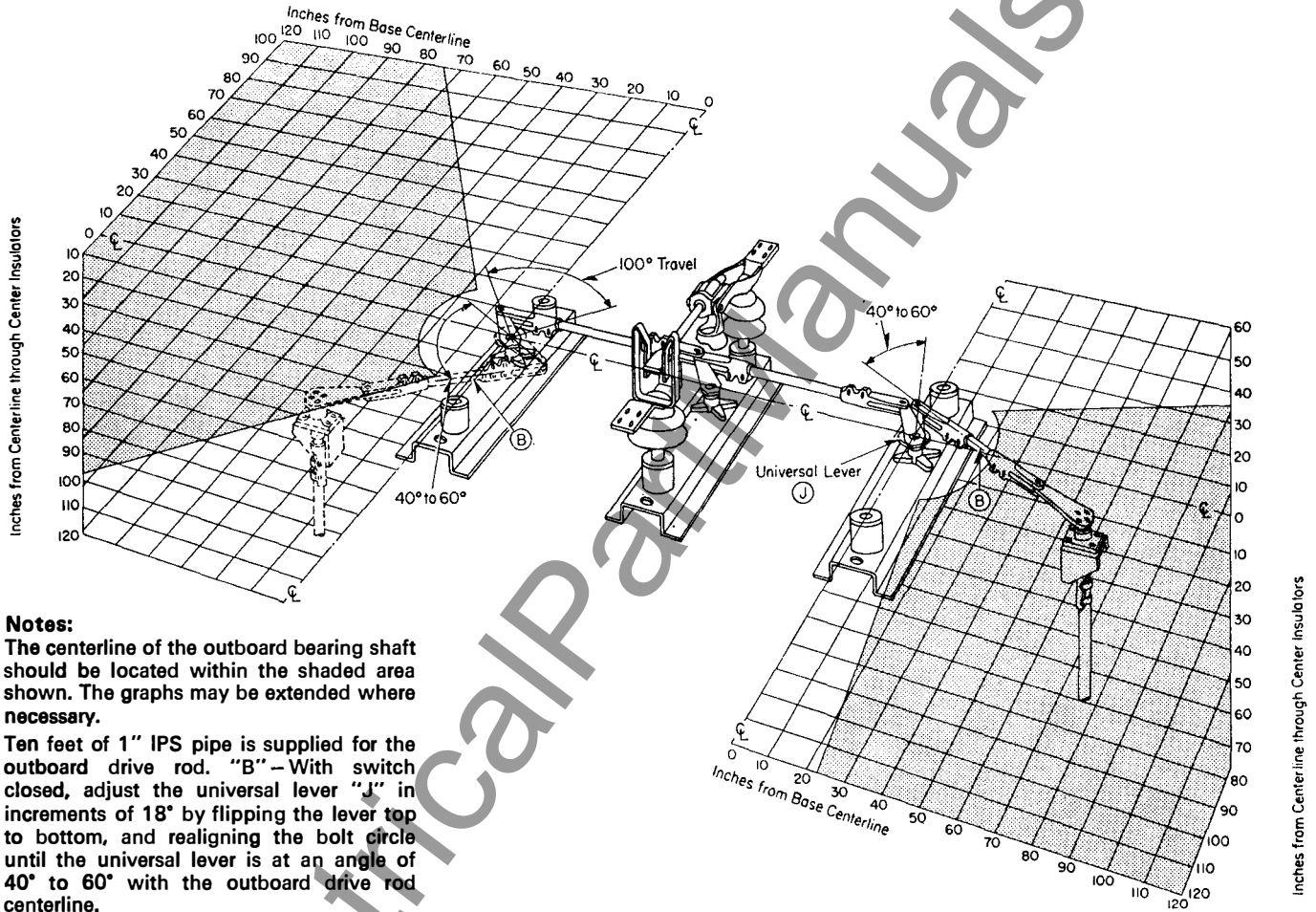
May, 1967
New Information
E, D/1969/DB

Westinghouse



**Type V-3 Outdoor
Disconnecting Switch**
7.2 to 69 Kv, 600 Amperes

Offset Operation Graph for Outboard Bearing Location, Horizontal Mounting



Notes:

The centerline of the outboard bearing shaft should be located within the shaded area shown. The graphs may be extended where necessary.

Ten feet of 1" IPS pipe is supplied for the outboard drive rod. "B" - With switch closed, adjust the universal lever "J" in increments of 18° by flipping the lever top to bottom, and realigning the bolt circle until the universal lever is at an angle of 40° to 60° with the outboard drive rod centerline.

Drawing No. 588F408

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

Other ☐

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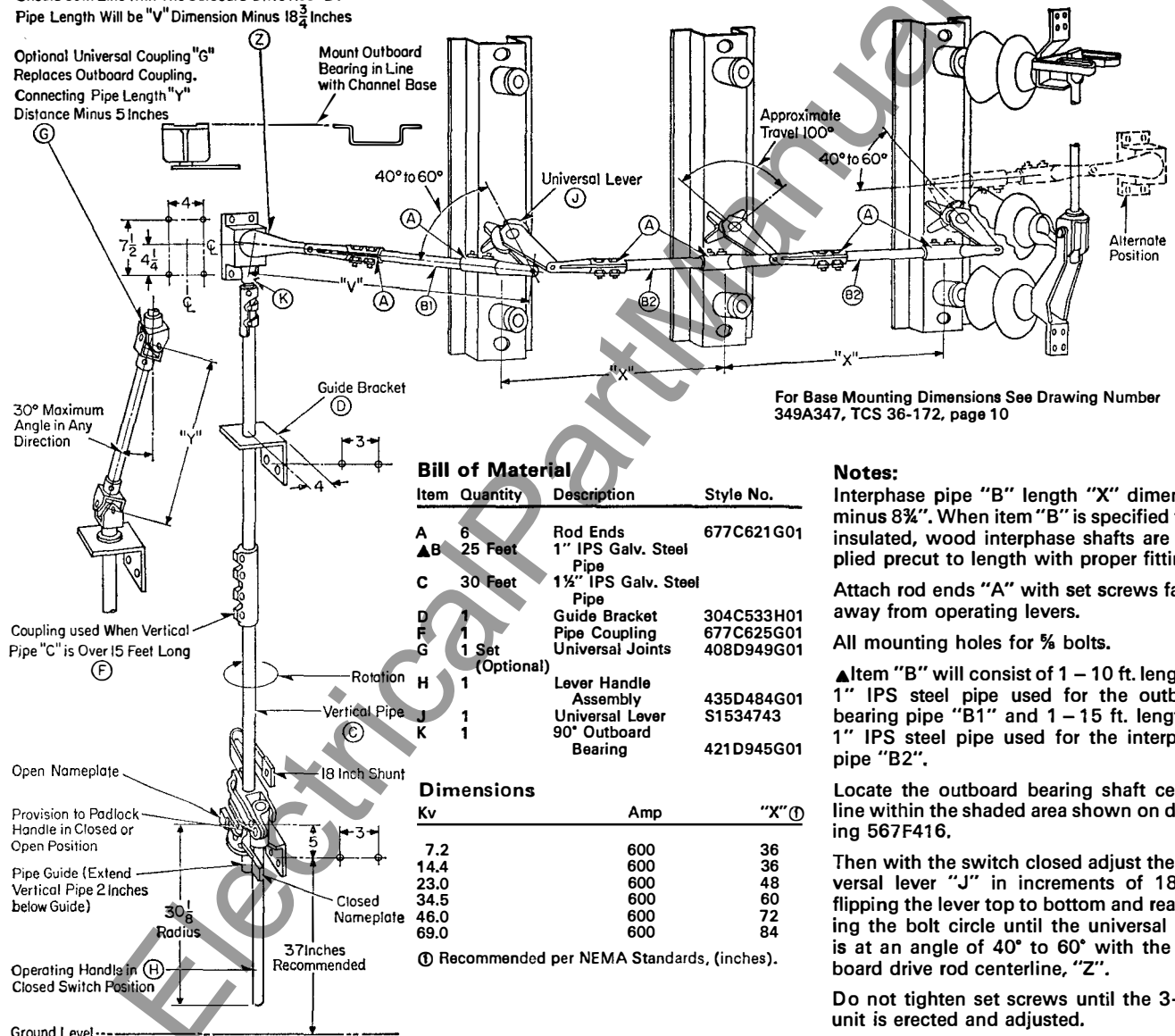


Type V-3 Outdoor Disconnecting Switch 7.2 to 69 Kv, 600 Amperes

Vertical Mounting, Basic Switch, Offset Operation

With Switch Closed The Outboard Bearing Lever "Z"
Should be in Line With The Outboard Drive Rod "B1"
Pipe Length Will be "V" Dimension Minus 18 3/4 Inches

Optional Universal Coupling "G"
Replaces Outboard Coupling.
Connecting Pipe Length "Y"
Distance Minus 5 Inches



Bill of Material

Item	Quantity	Description	Style No.
A	6	Rod Ends	677C621G01
▲B	25 Feet	1" IPS Galv. Steel Pipe	
C	30 Feet	1 1/2" IPS Galv. Steel Pipe	
D	1	Guide Bracket	304C533H01
F	1	Pipe Coupling	677C625G01
G	1 Set (Optional)	Universal Joints	408D949G01
H	1	Lever Handle Assembly	435D484G01
J	1	Universal Lever	S1534743
K	1	90° Outboard Bearing	421D945G01

Dimensions

Kv	Amp	"X" ①
7.2	600	36
14.4	600	36
23.0	600	48
34.5	600	60
46.0	600	72
69.0	600	84

① Recommended per NEMA Standards, (inches).

Notes:

Interphase pipe "B" length "X" dimension minus 8 3/4". When item "B" is specified to be insulated, wood interphase shafts are supplied precut to length with proper fittings.

Attach rod ends "A" with set screws facing away from operating levers.

All mounting holes for 5/8 bolts.

▲Item "B" will consist of 1 - 10 ft. length of 1" IPS steel pipe used for the outboard bearing pipe "B1" and 1 - 15 ft. length of 1" IPS steel pipe used for the interphase pipe "B2".

Locate the outboard bearing shaft centerline within the shaded area shown on drawing 567F416.

Then with the switch closed adjust the universal lever "J" in increments of 18° by flipping the lever top to bottom and realigning the bolt circle until the universal lever is at an angle of 40° to 60° with the outboard drive rod centerline, "Z".

Do not tighten set screws until the 3-pole unit is erected and adjusted.

Drawing No. 588F409

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

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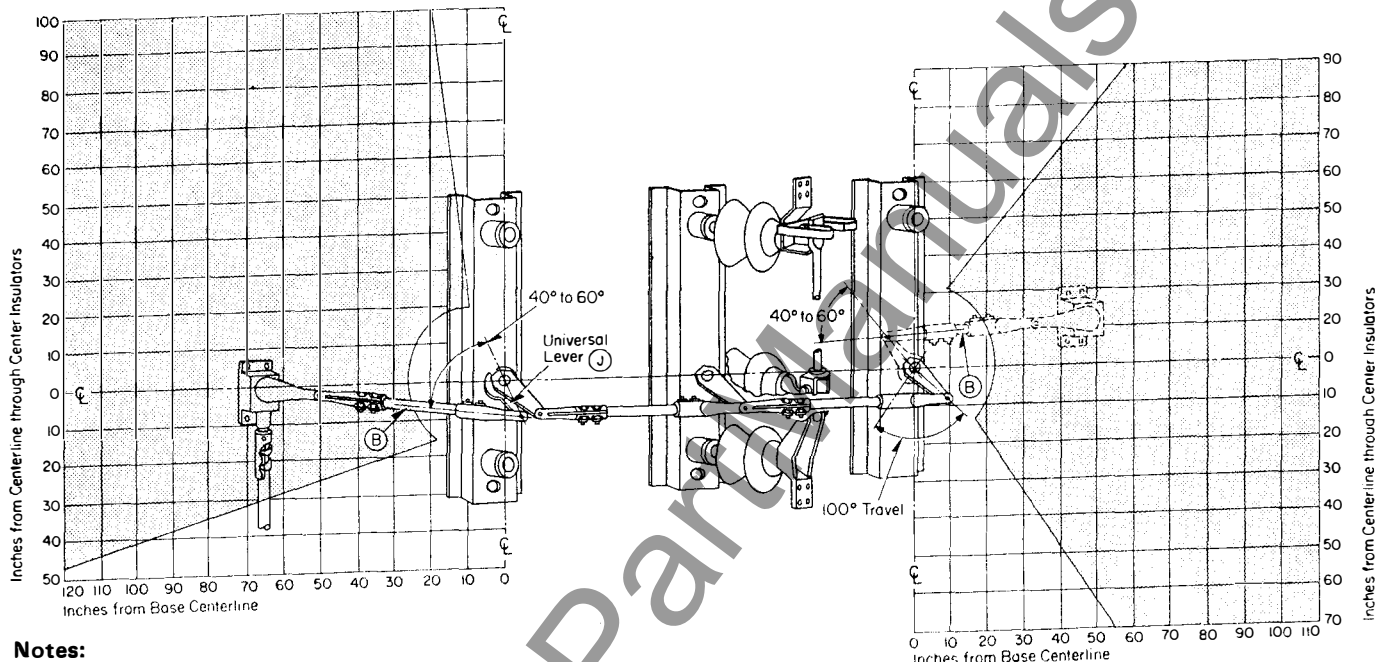
Other ☐

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**Type V-3 Outdoor
Disconnecting Switch**
7.2 to 69 Kv, 600 Amperes

Offset Operation Graph for Outboard Bearing Location, Vertical Mounting



Notes:

The centerline of the outboard bearing shaft should be located within the shaded area shown. The graphs may be extended where necessary.

Ten feet of 1" IPS pipe is supplied for the outboard drive rod. "B" - With switch closed, adjust the universal lever "J" in increments of 18° by flipping the lever top to bottom, and realigning the bolt circle until the universal lever is at an angle of 40° to 60° with the outboard drive rod centerline.

Drawing No. 567F416

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

Other ☐

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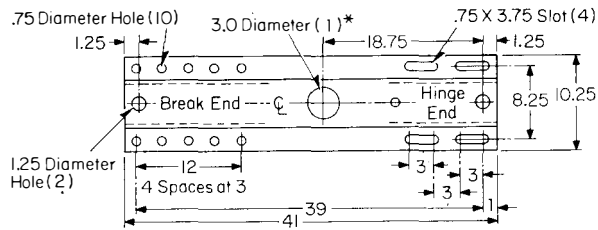
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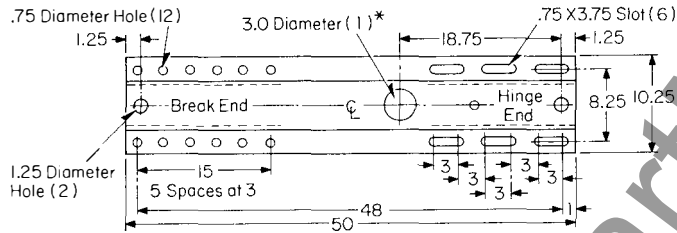
**Type V-3 Outdoor
Disconnecting Switch**
7.2 to 69 Kv, 600 Amperes

Standard Switch Base Mounting Dimensions, Inches

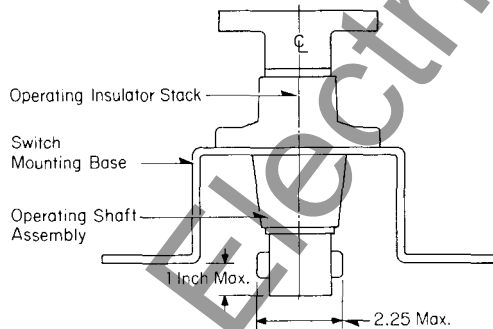
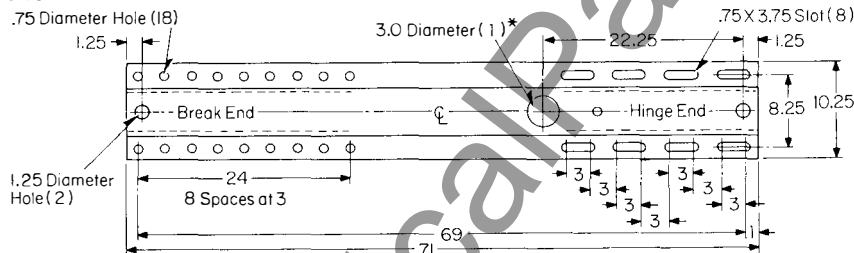
7.2 and 14.4 Kv



23 and 34.5 Kv



46 and 69Kv



* Note:

Operating Insulator Stack Bearing Assembly
Extends beyond The Bottom of The Switch
Mounting Base, for Proper Operation The Area
under The Rotating Insulator Stack Should be Clear.

Customer _____ Address _____ G. O. _____

P.O. Number _____ Item _____ Approval ☐

Apparatus _____ Reference ☐

Line No. _____ Certified _____ Date _____ Construction ☐

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